Attorney Docket No. 59191.000006

AMENDMENTS

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claims 1-23. (canceled).

Claims 24-27. (withdrawn)

Claim 28. (currently amended) A composition according to claim 33, wherein the compound <u>hydrolysed or otherwise degraded</u> eonvertible into a substrate for the galactose oxidase includes at least one of a compound naturally present in cereal flour or a gum.

Claim 29. (previously presented) A composition according to claim 28, wherein the compound naturally present in cereal flour includes non-starch polysaccharides comprising galactose moieties as structural elements.

Claims 30-31. (withdrawn)

Claim 32. (currently amended) A composition according to claim 33 which further comprises a compound which is capable of being <u>hydrolysed or otherwise degraded</u> converted into the substrate for the galactose oxidase.

Claim 33. (currently amended) A <u>flour dough improving</u> composition comprising, as a first component, a galactose oxidase (EC 1.1.3.9) and, as a second component: (i) an oxidizable substrate for the galactose oxidase which is at least one of a galactan, a galactose oligomer or a galactose dimer, (ii) an oxidizable substrate for the galactose oxidase which is at least one of a galactan, a galactose oligomer or a galactose dimer, and an enzyme which is capable of <u>hydrolysing or otherwise degrading converting</u> a compound into a substrate for the galactose oxidase, or (iii) an enzyme which is capable of <u>hydrolysing or otherwise degrading converting</u> a compound into a substrate for the galactose oxidase.

Claim 34. (previously presented) A composition according to claim 33 wherein the galactose oxidase is derived from an organism which is selected from the group consisting of a plant species, a fungal species and a bacterial species.

2

Patent Application No. 09/462,911

X. Rouau et al. May 14, 2004

Attorney Docket No. 59191.000006

Claim 35. (currently amended) A composition according to claim 33 wherein the compound

which can be hydrolysed or otherwise degraded converted into a substrate for the galactose

oxidase is a galactose containing compound.

Claim 36. (currently amended) A composition according to claim 33 wherein the compound

which can be <u>hydrolysed</u> or otherwise degraded converted into a substrate for the galactose

oxidase is a compound naturally present in cereal flour or a component thereof.

Claim 37. (previously presented) A composition according to claim 36 wherein the

compound naturally present in cereal flour is a pentosan or a xylan.

Claims 38-39. (withdrawn)

Claim 40. (currently amended) A composition according to claim 33 wherein the enzyme

which is capable of hydrolysing or otherwise degrading converting a compound into a

substrate for the galactose oxidase includes a hemicellulase, a pentosanase, a xylanase, an

arabinofuranosidase, a mannanase, a galactanase or a β-galactosidase.

Claim 41. (previously presented) A composition according to claim 33 which comprises a

further enzyme component including a cellulase, a starch degrading enzyme, a lipase or a

protease.

Claim 42. (previously presented) A composition according to any of claims 33 or 35-41

further comprising a non-enzymic dough additive compound.

Claim 43. (previously presented) A composition according to claim 33 wherein the amount of

galactose oxidase is in the range of 1 to 10,000 units per g.

Claims 44-52. (withdrawn)

Claim 53. (currently amended) A composition according to claim 33, wherein the enzyme

which is capable of hydrolysing or otherwise degrading converting a compound into a

substrate for the galactose oxidase is an enzyme that converts the compound into a galactan, a

galactose oligomer, a galactose dimer, or a mixture of a galactan, a galactose oligomer and a

galactose dimer.

3